

FIG. 1

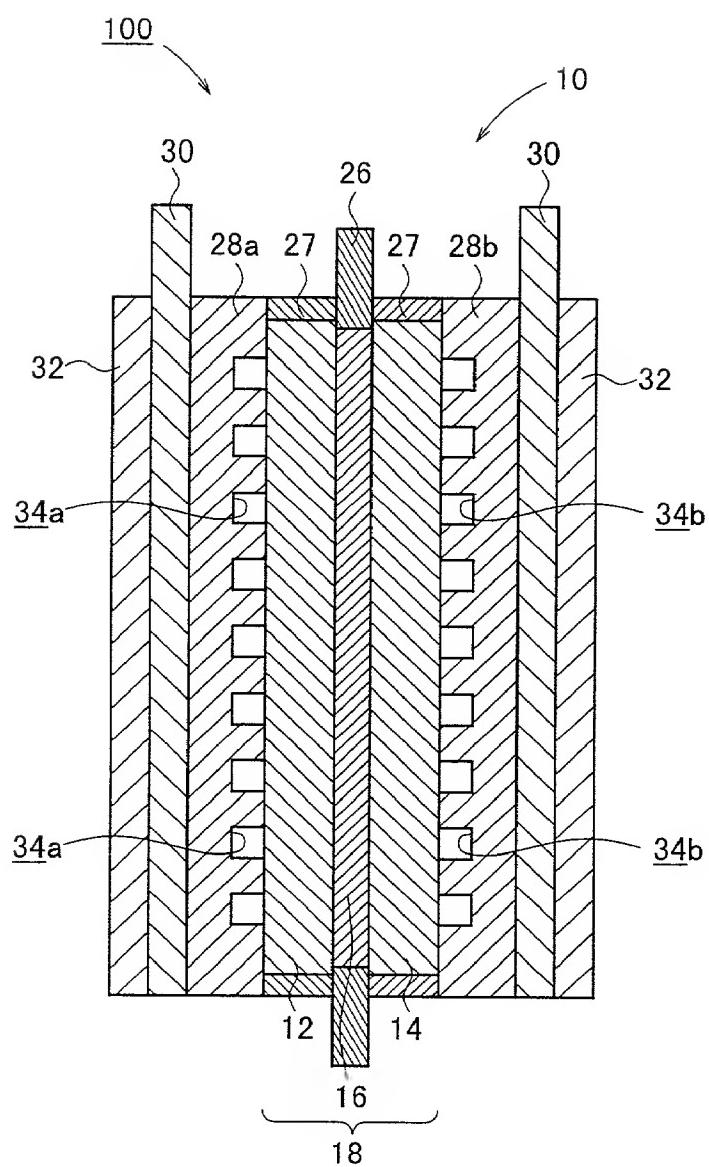
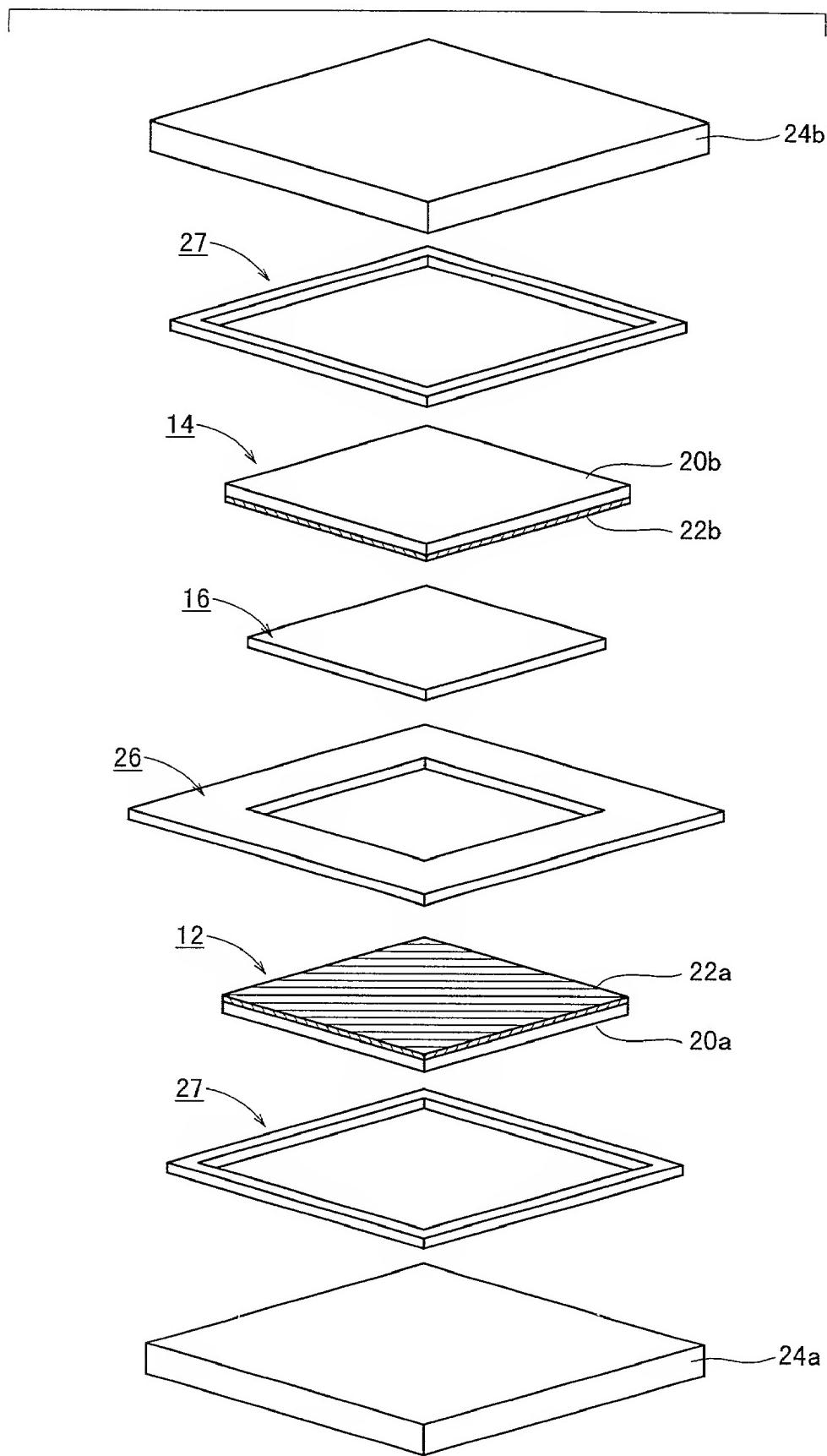


FIG. 2



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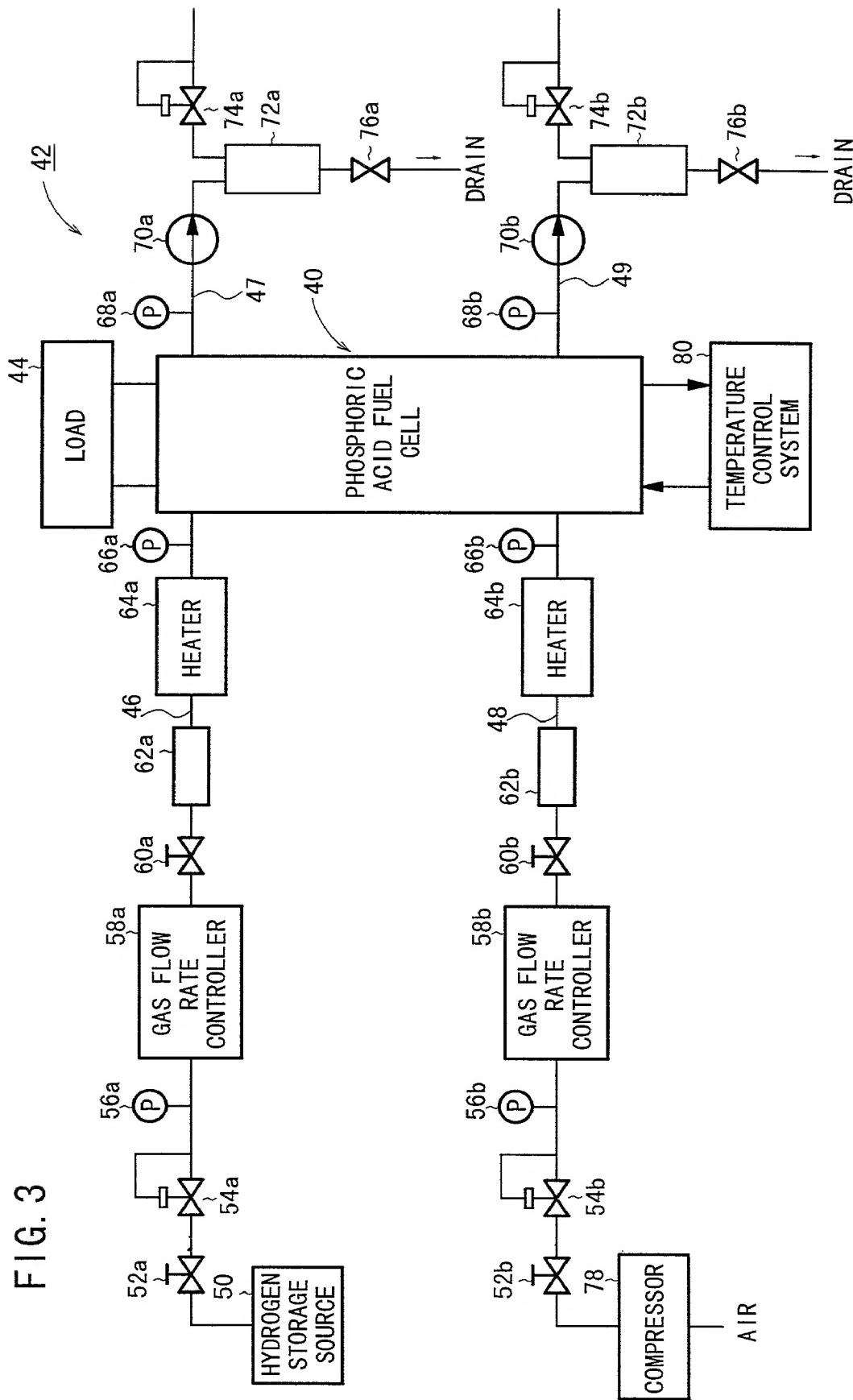


FIG. 4

		GAS UTILIZATION FACTOR [%] #1	GAS PRESSURE [kPa] #2	PRESSURE RATIO BETWEEN BOTH ELECTRODES	OPERATING TEMPERATURE [°C]
WORKING EXAMPLE 1	ANODE ELECTRODE	67	151.3	1.99	160
	CATHODE ELECTRODE	50	301.3		
WORKING EXAMPLE 2	ANODE ELECTRODE	67	151.3	1.33	160
	CATHODE ELECTRODE	50	201.3		
COMPARATIVE EXAMPLE	ANODE ELECTRODE	67	201.3	1	160
	CATHODE ELECTRODE	50	201.3		

#1: GAS UTILIZATION FACTOR

$$= (\text{GAS CONSUMPTION AMOUNT} / \text{GAS SUPPLY AMOUNT}) \times 100$$

#2: ABSOLUTE PRESSURE DETERMINED FROM MEASURED VALUES OF
 INLET SIDE PRESSURE SENSORS 66a, 66b

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FIG. 5

